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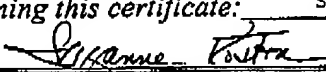
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUN 01 2004

Attorney Docket No. 766726610049

Group: 2633)
Examiner: Shi K. Li)
Inventor: George H. BuAbbud)
Serial No.: 09/540,955)
Filed: March 31, 2000)
Title: Bidirectional Frequency Shift)
Coding Using Two Different Codes)
For Upstream And Downstream)

**AMENDMENT AND
REPLY TO OFFICE ACTION**

<u>Certificate of Transmission</u>	
<i>I hereby certify that this correspondence is being transmitted via Facsimile to United States Patent & Trademark Office Facsimile Number (703) 872 - 9306 on <u>June 1, 2004</u>.</i>	
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Signature:	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Reply is in response to the Third Office Action mailed April 16, 2004. The

Applicant requests reconsideration of the instant case based on this Reply.